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TRANSMITTAL FORM

(To be used for all correspondence after initial filing)

Application Number	10/717,976
Filing Date	November 20, 2003
First Named Inventor	Linda Thorne
Art Unit	1753
Examiner Name	
Attorney Docket No.	850136.411

ENCLOSURES (check all that apply)

- | | | |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form | <input type="checkbox"/> Drawing(s) | <input type="checkbox"/> CD(s), Number of CD(s) _____ |
| <input type="checkbox"/> Fee Attached | <input type="checkbox"/> Request for Corrected Filing Receipt | <input type="checkbox"/> After Allowance Communication to Technology Center (TC) |
| <input type="checkbox"/> Amendment/Response | <input type="checkbox"/> Licensing-related Papers | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences |
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| <input type="checkbox"/> Affidavits/declaration(s) | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information |
| <input type="checkbox"/> Extension of Time Request | <input checked="" type="checkbox"/> Power of Attorney, Revocation, Change of Correspondence Address | <input type="checkbox"/> Status Letter |
| <input type="checkbox"/> Express Abandonment Request | <input type="checkbox"/> Declaration | <input checked="" type="checkbox"/> Return Receipt Postcard |
| <input type="checkbox"/> Information Disclosure Statement; Form PTO-1449 | <input checked="" type="checkbox"/> Statement under 37 CFR 3.73(b) | <input type="checkbox"/> Additional Enclosure(s) (please identify below): |
| <input type="checkbox"/> Cited References | <input type="checkbox"/> Terminal Disclaimer | <u>Copy of Assignment</u> |
| <input type="checkbox"/> Certified Copy of Priority Document(s) | <input type="checkbox"/> Request for Refund | _____ |
| <input type="checkbox"/> Response to Missing Parts under 37 C.F.R. 1.52 or 1.53 | | _____ |
| <input type="checkbox"/> Response to Missing Parts/Incomplete Application | | _____ |

Remarks

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Individual Name	Qing Lin, Ph.D.	Customer Number
		00500
Signature		
Date	June 14, 2004	

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or printed name	Karen Williamson	
Signature		Date: June 14, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.
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**ELECTION AND POWER OF
ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	10/717,976
Filing Date	November 20, 2003
First Named Inventor	Linda Thorne
Group Art Unit	1753
Examiner Name	
Attorney Docket Number	850136.411

I hereby appoint:

 Practitioners at Seed IP Law Group PLLC**OR** Practitioner(s) named below:

00500

PATENT TRADEMARK OFFICE

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the Patent and Trademark Office connected therewith.

Please change the correspondence address for the above-identified application to:

 The above-mentioned Customer Number.**OR**

<input type="checkbox"/> Firm or Individual Name			
Address			
Address			
City	State	ZIP	
Country			
Telephone	Fax		

I am the:

 Applicant/Inventor. Assignee of record of the entire interest. See 37 CFR 3.71.*Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).* As assignee of record of the entire interest I/we hereby elect, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventors.**SIGNATURE of Applicant or Assignee of Record**

Name	Jun OZAKI, Business Manager of R&D and Patent Department of Shin-Etsu Chemical Co., Ltd.	
Signature	<i>Jun OZAKI</i>	
Date	May 27, 2004	

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required.
Submit multiple forms if more than one signature is required, see below*. *Total of forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**STATEMENT UNDER 37 CFR 3.73(b)**Applicant/Patent Owner: Linda Thorne and Richard W. ArmentroutApplication No./Patent No.: 10/717,976 Filed/Issue Date: November 20, 2003Entitled: PURIFICATION AND USE OF GELLAN IN ELECTROPHORESIS GELS

Shin-Etsu Chemical Co., Ltd., a corporation
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of less than the entire right, title and interest.

The extent (by percentage) of its ownership interest is _____ %

in the patent application/patent identified above by virtue of either:

- A. An assignment from the inventor(s) of the patent application/patent identified above.
 The assignment was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

OR

- B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

2. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

3. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title noted in B above are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

May 27, 2004

Date

Jun Ozaki

Typed or printed name

Jun Ozaki

Signature

Business Manager of R&D and Patent Department

Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Docket No. 850136.411

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COPY

ASSIGNMENT

WHEREAS, we, **Linda Thorne** and **Richard W. Armentrout** (hereinafter referred to as **ASSIGNORS**), having mailing addresses of 3701 South Mission Road, Fallbrook, California 92028 and 542 Rosemont, La Jolla, California 92037, respectively, are the joint inventors of an invention entitled "PURIFICATION AND USE OF GELLAN IN ELECTROPHORESIS GELS," as described and claimed in the specification for which an application for United States letters patent was filed on November 20, 2003 and assigned Application No. 10/717,976; this application claims the benefit of U.S. Provisional Application No. 60/427,988, filed November 20, 2002;

WHEREAS, **Shin-Etsu Chemical Company, Ltd.** (hereinafter referred to as **ASSIGNEE**), a corporation of Japan having a place of business at 6-1, Otemachi 2-Chome, Chiyoda-ku, Tokyo 100-0004, Japan, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, **ASSIGNORS** hereby sell, assign and transfer unto said **ASSIGNEE** the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of **ASSIGNEE** and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by **ASSIGNEE** and its successors and assigns as fully and entirely as the same would have been held and enjoyed by **ASSIGNORS** had this assignment, transfer and sale not been made. **ASSIGNORS** hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to **ASSIGNEE**. **ASSIGNORS** agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

1/21/2004
Date

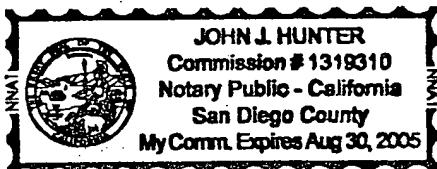
Linda Thorne
Linda Thorne

State of California)
County of San Diego)

ss.

I certify that I know or have satisfactory evidence that Linda Thorne is the person who appeared before me, and said person acknowledged that she signed this instrument and acknowledged it to be her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 1-2-04



Signature of
Notary Public John J. Hunter
Printed Name John J. Hunter

My appointment expires August 30, 2005

Date

Richard W. Armentrout

State of _____)
County of _____)

ss.

I certify that I know or have satisfactory evidence that Richard W. Armentrout is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated _____

Signature of
Notary Public _____

Printed Name _____

My appointment expires _____

COPY

ASSIGNMENT

WHEREAS, we, **Linda Thorne** and **Richard W. Armentrout** (hereinafter referred to as **ASSIGNORS**), having mailing addresses of 3701 South Mission Road, Fallbrook, California 92028 and ~~4828 FORREST TRAIL DECATUR IL 62521~~ ^{4828 FORREST TRAIL DECATUR IL 62521}, respectively, are the joint inventors of an invention entitled "PURIFICATION AND USE OF GELLAN IN ELECTROPHORESIS GELS," as described and claimed in the specification for which an application for United States letters patent was filed on November 20, 2003 and assigned Application No. 10/717,976; this application claims the benefit of U.S. Provisional Application No. 60/427,988, filed November 20, 2002;

WHEREAS, **Shin-Etsu Chemical Company, Ltd.** (hereinafter referred to as **ASSIGNEE**), a corporation of Japan having a place of business at 6-1, Otemachi 2-Chome, Chiyoda-ku, Tokyo 100-0004, Japan, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States and in any and all foreign countries;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, **ASSIGNORS** hereby sell, assign and transfer unto said **ASSIGNEE** the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and in any and all foreign countries, and in any and all divisions, reissues and continuations thereof, including the right to file foreign applications directly in the name of **ASSIGNEE** and to claim priority rights deriving from said United States application to which said foreign applications are entitled by virtue of international convention, treaty or otherwise, said invention, application and all letters patent on said invention to be held and enjoyed by **ASSIGNEE** and its successors and assigns as fully and entirely as the same would have been held and enjoyed by **ASSIGNORS** had this assignment, transfer and sale not been made. **ASSIGNORS** hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to **ASSIGNEE**. **ASSIGNORS** agree to execute all instruments and documents required for the making and prosecution of applications for United

States and foreign letters patent on said invention, for litigation regarding letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

Date Linda Thorne
 State of _____)
 County of _____) ss.
 _____)

I certify that I know or have satisfactory evidence that Linda Thorne is the person who appeared before me, and said person acknowledged that she signed this instrument and acknowledged it to be her free and voluntary act for the uses and purposes mentioned in the instrument.

Dated _____
 Signature of _____
 Notary Public _____
 Printed Name _____
 My appointment expires _____

04-17-04 Richard W. Armentrout
 Date Richard W. Armentrout
 State of Illinois)
 County of Macomb) ss.
 _____)

I certify that I know or have satisfactory evidence that Richard W. Armentrout is the person who appeared before me, and said person acknowledged that he signed this instrument and acknowledged it to be his free and voluntary act for the uses and purposes mentioned in the instrument.

Dated 4-17-04
 Signature of _____
 Notary Public Thomas W. Branson
 Printed Name Thomas W. Branson
 My appointment expires 8/7/07

